

INTERFACE CIRCUIT FOR PROCESS CONNECTIONS

Abstract of the Disclosure:

A universal, programmable interface circuit which contains a plurality of controllable switches, a plurality of controllable multiplexers, at least one analog/digital converter, and at least one digital/analog converter. These components are activated, deactivated, or changed in their operating or switching states by means of control signals, wherein different functions can be assigned to each bidirectional input connection. Thus, each input connection can have a plurality of digital or analog functions for bidirectional exchange of data, measurement values, control signals, or the like between a computer and instruments of a technical process.